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PHOTOGRAPHIC INTERPRETATION REPORT



**VITAL RECORDS COPY
KH-4 MISSION 1038-2
19-26 JANUARY 1967**

PART II

TCS-80052/67

FEBRUARY 1967

COPY 195

34 PAGES

25X1

Declass Review by NIMA / DoD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1038-2 AND PROVIDES INFORMATION ON THE HIGHEST PRIORITY COMMITTEE ON OVER-HEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES. AN ALPHABETIC LISTING OF COUNTRY CODES APPEARS ON THE INSIDE OF THE BACK COVER.

SELECTED PHOTOGRAPHIC REFERENCES FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH), D FOR DESCENDING (NORTH-TO-SOUTH) OR M FOR A MIXED ASCENDING AND DESCENDING PASS. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME NUMBER TO WHICH THEY APPLY. THIS GRID IS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), S (SNOW), O (OBLIQUITY), SD (SEMI-DARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), NS (NON-STEREO), OR PS (PARTIAL STEREO).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

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Highlights

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HIGHLIGHTS

1. AT THE TYURATAM MISSILE TEST CENTER, SHADOW ANALYSIS INDICATES THAT THE SERVICE TOWER MAY HAVE BEEN REMOVED FROM THE PLATFORM AT LAUNCH PAD B-1.

2. A TOTAL OF 8 TYPE IIID SINGLE SILOS HAVE NOW BEEN NEWLY IDENTIFIED AT THE KOZELSK ICBM COMPLEX, 1 IN LAUNCH GROUP H AND 7 IN LAUNCH GROUP I, THE THIRD GROUP AT THE COMPLEX. A PROBABLE TYPE IIID CONTROL SITE IS IDENTIFIED AT THE GLADKAYA ICBM COMPLEX, INDICATING THE PRESENCE OF A SIXTH LAUNCH GROUP. ONE TYPE IIID SITE IS NEWLY IDENTIFIED AT THE YEDROVO ICBM COMPLEX.

3. THE CURRENT COUNT OF ICBM LAUNCHERS AT DEPLOYED COMPLEXES (THE FIGURE SHOWN IN PARENTHESIS INDICATES THE NUMBER OF POSSIBLE LAUNCHERS AND IT IS NOT INCLUDED IN TOTALS) IS AS FOLLOWS --

TYPE IIIC	148
TYPE IIID	429 (14)
SUBTOTAL	577 (14)
OTHER LAUNCHERS	228
TOTAL	805 (14)

4. FOR THE FIRST TIME, PROBABLE LAUNCHER-ERECTOR MECHANISMS ARE IDENTIFIED AT MOSKVA. SUCH OBJECTS ARE OBSERVED AT EACH OF THE LAUNCH POSITIONS OF TRIAD 1, PROBABLE ABM LAUNCH COMPLEX E-24. AT E-21, THE ROAD NETWORK IS MORE CLEARLY DEFINED AND FOUNDATIONS ARE APPARENT FOR BUILDINGS A AND C, TRIAD 1.

5. TWO SA-2 SAM SITES ARE NEWLY IDENTIFIED NORTH OF CALCUTTA, INDIA. ONE SITE HAS 4 OCCUPIED LAUNCH POSITIONS (2 UNOCCUPIED) AND THE OTHER SITE IS UNOCCUPIED. BOTH SITES ARE LOCATED ON THE SOUTHERN END OF AIRFIELD RUNWAYS.

6. OF THE 152 KNOWN SA-2 SAM SITES IN NORTH VIETNAM, 7 ARE OBSERVED IN THE CLOUD-FREE AREAS OF THE PHOTOGRAPHY. OF THESE, 2 ARE UNOCCUPIED AND THE OCCUPANCY OF 5 IS UNDETERMINED DUE TO THE LIMITING CONDITIONS OF THE PHOTOGRAPHY. ALL SITES ARE OBSERVED

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STATUS OF COMOR TARGET READOUT

THIS OAK REPORTS ON 53 COMOR TARGETS.

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TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY OBSERVED ON THIS MISSION AND NPIC CURRENT MISSILE LISTINGS IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- TYURATAM MISSILE TEST CENTER
TABLE 3 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 4 -- SAM AND ABM DEPLOYMENT
TABLE 5 -- DEPLOYED PROBABLE LONG RANGE SAM COMPLEXES
TABLE 6 -- DATE/TIME OF PHOTOGRAPHIC PASSES

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TABLE 1. SOVIET ICBM DEPLOYMENT

COMPLEX	TYPE I	TYPE II	TYPE III	TYPE IIIC		TYPE IIID		New Positions This Mission		Total Launch Positions	Launch Groups Identified	
	Sites A&B Launchers	Sites A-D Launchers	Sites A&B Launchers	Sites (Launchers)	Complete	Sites (Launchers)	Complete	IIIC	IIID		IIIC	IIID
★ ALEYSK				19	5			2		19	3	
★ DOMBAROVSKIY				30	12					30	5	
DROVYANAYA		3	3			48(1#)	21			63(1#)		5
★ GLADKAYA		2	1			49	9		1	56		6
IMENI GASTELLO				25	12					25	4	
ITATKA		3								6		
★ KARTALY				25	11					25	4	
KOSTROMA		6	1			17(1#)				32(1#)		2
★ KOZELSK		3	2			28			8	40		3
NOVOSIBIRSK		3	2							12		
OLOVYANNAYA			3			80(1#)	30			89(1#)		8
★ OMSK			1							3		
★ PERM		5	1			36(9#)	15			49(9#)		4
★ PLESETSK*	5	4	1			1(1)				20(1#)		1
SHADRINSK			3							9		
★ SVOBODNYI		7	1			38	1			55		4
TATISHCHEVO						112 (1#)	46			112 (1#)		11
TEYKOVO		6								12		
TYUMEN		2								4		
UZHUR				26	11					26	5	
VERKHNYAYA SALDA		7	2							20		
★ YEDROVO		6	2			20			1	38		2
★ YOSHKAR-OLA		6								12		
YURYA		8	3							25		
★ ZHANGIZ-TOBE				23	12					23	4	
TOTALS	5	71	26	148	63	429(14#)	122	2	10	805(14#)	25	46

★ Covered This Mission

*Does not include launch positions at sites 11 through 16

(1#) Possible — The Possible Sites Are Not Included in the Total Count

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TABLE 3. SOVIET MRBM AND IRBM DEPLOYMENT

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	118	9	18	10	155	608
Caucasus	3		2	3	8	29
Central Asia	2	2	1	3	8	29
Far Eastern	9	1		1	11	43
Totals	132	12	21	17	182	709

Totals do not include 100 fixed field-type sites with total of 374 launch positions and one launch facility at Sovetskaya Gavan

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Complex	Sites Positions	Tracking/Guidance Facility No of Positions	Associated Air Warning Facility
ANGARSK	3	3	✓
☆ BABAYEVO	3	3	
CHEREPOVETS	5	5	✓
FEODOSIYA	3	3	✓
☆ KALININ	3	3	
KHABAROVSK	3	3	
KIMRY	3	3	✓
KOSTROMA	3	3	
☆ KRASNOYARSK	3	3	
KURESSAARE	2	0	
☆ LENINGRAD NE	5	5	
☆ LENINGRAD NW	5	5	
☆ LENINGRAD SW	5	5	
LIEPAJA	5	5	✓
TOTALS 26	90	88	9

Identified at this complex

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Missiles

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MISSILES

TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

NO NEW MISSILE FACILITIES ARE OBSERVED IN PORTION OF THE SEARCH AREA COVERED [REDACTED] THE SOUTHERN HALF OF THE SEARCH AREA IS NOT COVERED, AND THE WESTERN PORTION OF THE NORTHERN HALF IS PARTIALLY OBSCURED BY CLOUDS. ONLY A SMALL PORTION OF THE SEARCH AREA IS COVERED [REDACTED] THE REMAINING PORTION, INCLUDING THE RANGE HEAD, IS CLOUD COVERED.

25X1D

25X1D

AT LAUNCH COMPLEX B, THE SERVICE TOWER AT PAD B1 APPEARS TO HAVE BEEN REMOVED. IT IS POSSIBLE, HOWEVER, THAT IT HAS ASSUMED A PREVIOUSLY UNSEEN CONFIGURATION WITH NO OBVIOUS VERTICAL MEMBERS. NO TOWER SHADOW CAN BE IDENTIFIED ALTHOUGH SHADOWS OF OTHER OBJECTS IN THE VICINITY ARE APPARENT. NO MISSILE EXERCISES ARE OBSERVED AT ANY OF THE LAUNCH AREAS. CONSTRUCTION AND/OR MODIFICATIONS CONTINUE AT LAUNCH COMPLEXES G, I, AND J.

25X1D

25X1A

YEDROVO ICBM COMPLEX

UR 5751N 03340E

ENTIRE COMPLEX AND SEARCH AREA COVERED BY PHOTOGRAPHY. TWENTY-EIGHT LAUNCH SITES, INCLUDING 20 TYPE IIID SITES, ARE OBSERVED. ONE OF THE TYPE IIID SITES, SITE 36, IS NEWLY IDENTIFIED AT 57-47N 33-05E IN AN UNDETERMINED STAGE OF CONSTRUCTION. SITE 36 CAN BE NEGATED [REDACTED]

25X1D

NO ADDITIONAL MISSILE OR MISSILE-RELATED ACTIVITY OBSERVED.

25X1D

25X1A

GLADKAYA ICBM COMPLEX

UR 5606N 09214E

THE EASTERN PORTION OF THE COMPLEX IS COVERED BY PHOTOGRAPHY. LAUNCH GROUPS H, I, J, AND LAUNCH SITE 2

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ARE OBSERVED. NPIC NOW CONCURS IN THE IDENTIFICATION OF PROBABLE LAUNCH SITE 60, A PROBABLE TYPE IIID CONTROL SITE LOCATED AT 56-37N 093-06E. IT WAS FIRST EVIDENT [REDACTED] AND NEGATED [REDACTED] THE STAGE OF CONSTRUCTION IS UNDETERMINED.

25X1D

POOR INTERPRETABILITY PRECLUDES IDENTIFICATION OF NEW MISSILE FACILITIES ALTHOUGH MANY AREAS OF SUSPECT ACTIVITY ARE VISIBLE.

25X1A

KOZELSK ICBM COMPLEX

UR 5356N 03549E

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

BOTH THE LAUNCH COMPLEX AND THE SEARCH AREA ARE COMPLETELY COVERED BY PHOTOGRAPHY [REDACTED] THE WESTERN HALF OF THE SEARCH AREA IS COVERED BY CLEAR PHOTOGRAPHY. THE THIRD TYPE IIID GROUP, DESIGNATED LAUNCH GROUP I, IS NEWLY IDENTIFIED ON THIS MISSION. THE CONTROL SITE, DESIGNATED LAUNCH SITE 32, IS APPROXIMATELY 4 NM SSE OF THE COMPLEX SUPPORT FACILITY AT 53-53N 035-52E. THE SITE, FIRST EVIDENT ON [REDACTED] AND NEGATED [REDACTED] IS IN THE MID-STAGE OF CONSTRUCTION. SIX ADDITIONAL SITES IN THIS GROUP ARE ALSO NEWLY IDENTIFIED ON THIS MISSION. THEY WERE NOT EVIDENT ON [REDACTED]

25X1D

25X1D

LAUNCH SITE 33 AT 53-51N 035-56E IS IN AN EARLY STAGE OF CONSTRUCTION. LAUNCH SITE 34 IS AT 53-52N 035-59E AND THE CONSTRUCTION STAGE IS UNDETERMINED. LAUNCH SITE 35 IS AT 53-55N 035-48E AND CONSTRUCTION STATUS IS UNDETERMINED. PROBABLE LAUNCH SITE 36 AT 53-56N 035-53E IS IN AN EARLY STAGE OF CONSTRUCTION. LAUNCH SITE 37 AT 53-58N 035-59E IS IN AN EARLY STAGE OF CONSTRUCTION. LAUNCH SITE 38 AT 54-01N 036-01E IS IN AN EARLY STAGE OF CONSTRUCTION. ALSO NEWLY IDENTIFIED IS LAUNCH SITE 39 IN THE H GROUP. IT IS IN A MID-STAGE OF CONSTRUCTION AT 54-02N 035-19E AND WAS FIRST EVIDENT [REDACTED] AND CAN BE NEGATED [REDACTED] POSSIBLE LAUNCH SITE 29 CAN NOW BE CONFIRMED AND IS IN

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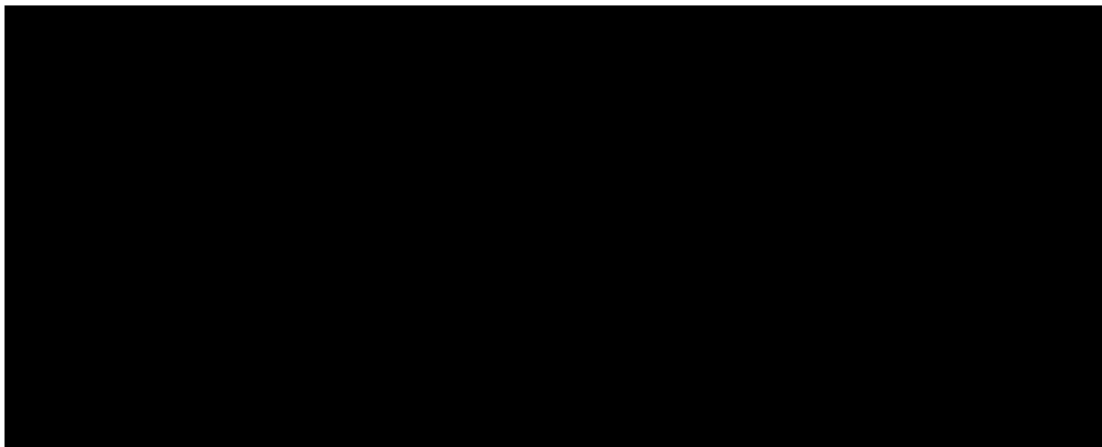
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A LATE STAGE OF CONSTRUCTION.
POSSIBLE LAUNCH SITES 14, 24, AND 27 ARE NOT VALID
SITES AND ARE DROPPED FROM THE NPIC LISTINGS. NO OTHER
MISSILE ACTIVITY OBSERVED IN THE SEARCH AREA.

25X1D



25X1A

KARTALY ICBM COMPLEX

UR 5302N 06034E

ENTIRE COMPLEX AND EASTERN 85 PERCENT OF THE SEARCH
AREA COVERED BY PHOTOGRAPHY. NO NEW MISSILE FACILITIES
OBSERVED.

25X1D



25X1A

HA NOI SAM SEARCH

VN 2102N 10551E

ENTIRE SEARCH AREA IS COVERED BY 5 PERCENT CLOUD-FREE
PHOTOGRAPHY. NO NEW SAM INSTALLATIONS IDENTIFIED.

25X1D



25X1A

LAO CAI SAM SEARCH

VN 2229N 10359E

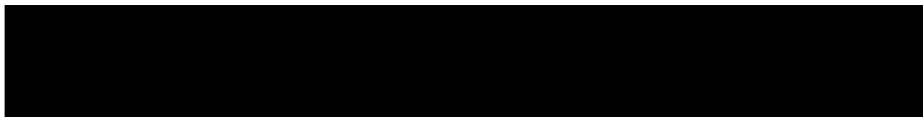
APPROXIMATELY 40 PERCENT OF THE EASTERN
PORTION OF THE SEARCH AREA IS COVERED BY 30 PERCENT
CLOUD-FREE PHOTOGRAPHY. NO NEW SAM INSTALLATIONS
IDENTIFIED.

25X1D

APPROXIMATELY 60 PERCENT OF THE SEARCH AREA IS
COVERED BY 50 PERCENT CLOUD-FREE PHOTOGRAPHY. NO NEW
SAM INSTALLATIONS IDENTIFIED.

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25X1A

DIEN BIEN PHU SAM SEARCH

VN 2123N 10301E

25X1D

APPROXIMATELY 80 PERCENT OF THE SEARCH AREA IS COVERED BY 40 PERCENT CLOUD-FREE PHOTOGRAPHY. NO NEW SAM INSTALLATIONS IDENTIFIED.

25X1D

THE WESTERN HALF OF THE SEARCH AREA IS COVERED BY 35 PERCENT CLOUD-FREE PHOTOGRAPHY. NO NEW SAM INSTALLATIONS IDENTIFIED.

25X1D

25X1A

CAO BANG SAM SEARCH AREA

VN 2240N 10615E

APPROXIMATELY 70 PERCENT OF THE SEARCH AREA IS COVERED BY 15 PERCENT CLOUD-FREE PHOTOGRAPHY. NO NEW SAM INSTALLATIONS IDENTIFIED.

25X1D

25X1A

HSING-LUNG-CHUANG SAM SEARCH AREA

CH 3655N 10051E

25X1D

APPROXIMATELY 1 PERCENT OF THE EASTERN PORTION IS COVERED ON CLEAR PHOTOGRAPHY.

25X1D

80 PERCENT OF THE SEARCH AREA IS COVERED BY CLEAR PHOTOGRAPHY.

NO NEW SAM SITES OR RELATED ACTIVITY OBSERVED.

25X1D

25X1A

LAN-CHOU SAM SEARCH AREA

CH 3609N 10330E

25X1D

APPROXIMATELY 95 PERCENT OF THE SEARCH AREA IS COVERED BY CLEAR PHOTOGRAPHY.

25X1D

APPROXIMATELY 15 PERCENT OF THE WESTERN HALF OF THE SEARCH AREA IS COVERED BY CLEAR PHOTOGRAPHY.

NO NEW SAM SITES OR RELATED ACTIVITY OBSERVED.

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MOSKVA SUSPECT ABM AREA

UR 5545N 03737E

THE WESTERN THIRD OF THE SEARCH AREA IS COVERED BY PREDOMINANTLY CLEAR, SNOW-COVERED PHOTOGRAPHY. NO NEW SARY-SHAGAN OR LENINGRAD-TYPE INSTALLATIONS, ELECTRONIC FACILITIES, OR NUCLEAR WEAPONS STORAGE WHICH MIGHT BE RELATED TO ABM DEPLOYMENT OBSERVED IN CLOUD-FREE AREAS.

25X1D

25X1A

MOSKVA PROBABLE ABM LAUNCH COMPLEX E33

UR 5620N 03648E

TRIAD 1 -- NO CHANGE IS DISCERNIBLE ON THE EXTERIOR OF THE BUILDINGS OR ENVIRONMENTAL SHELTERS. PRESENCE OF THE LAUNCHER-ERECTOR MECHANISMS AT THE LAUNCH POSITIONS CANNOT BE DETERMINED. AN UNIDENTIFIED OBJECT IS OBSERVED NEAR POSITION 1C-4.

25X1D

TRIAD 2 -- THE ENVIRONMENTAL SHELTERS ON BUILDINGS B AND C APPEAR TO HAVE BEEN COMPLETED

25X1D

25X1D

THE FIRST SECTION OF THE ENVIRONMENTAL SHELTER IS IN PLACE ON THE ROOF OF BUILDING A, AND ASSEMBLY OF ANOTHER SECTION IS UNDERWAY. THE CONSTRUCTION STATUS OF THE LAUNCH POSITIONS AT TRIAD 2 CANNOT BE DETERMINED. CONSTRUCTION CONTINUES ON THE RECTANGULAR BUILDING OPPOSITE THE ENTRANCE TO THE T-SHAPED, EARTH-MOUNDED BUILDING.

NO MISSILES ARE IDENTIFIED AT THE COMPLEX.

25X1D

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MOSKVA PROBABLE ABM LAUNCH COMPLEX E24

UR 5521N 03629E

TRIAD 1 -- NO CHANGE IS OBSERVED ON THE COMPLETED EXTERIOR OF THE BUILDINGS. AN OBJECT OR STRUCTURE CASTING A LONG SHADOW, PROBABLY A LAUNCHER-ERECTOR MECHANISM, IS OBSERVED AT EACH OF THE 8 LAUNCH POSITIONS.

25X1D

TRIAD 2 -- THE FIRST SECTION OF AN ENVIRONMENTAL SHELTER, NOT PRESENT APPEARS TO BE PARTIALLY ASSEMBLED ON THE ROOF OF BUILDING A.

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NO FURTHER PROGRESS IS OBSERVED ON BUILDINGS B AND C. [REDACTED] IN THE SUPPORT AREA, 7 MULTISTORY APARTMENT-TYPE BUILDINGS APPEAR TO BE COMPLETE, 2 ARE UNDER CONSTRUCTION, AND 2 PROBABLE FOUNDATION EXCAVATIONS ARE OBSERVED. AN AREA PREVIOUSLY OCCUPIED BY SINGLE-FAMILY-TYPE DWELLINGS HAS BEEN RAZED FOR THE NEW CONSTRUCTION.

NO MISSILES CAN BE IDENTIFIED AT THE COMPLEX.

25X1D

MOSKVA SAM SITE C30-1

UR 5556N 03655E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

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MOSKVA SAM SITE C28-1

UR 5549N 03652E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

MOSKVA PROBABLE ABM LAUNCH COMPLEX E21

UR 5504N 03701E

THE ROAD NETWORK FOR THE PROBABLE ABM LAUNCH COMPLEX IS NOW CLEARLY DEFINED AND APPEARS GENERALLY SIMILAR TO THAT CONSTRUCTED AT PROBABLE ABM LAUNCH COMPLEX E31. FOUNDATIONS ARE OBSERVED FOR BUILDINGS A AND C AT TRIAD 1, THE EASTERN TRIAD FACILITY, ALTHOUGH ERECTION OF THE SUPERSTRUCTURE HAS NOT STARTED. CLEARINGS ARE OBSERVED FOR THE 3 BUILDINGS AT TRIAD 2, THE WESTERN TRIAD FACILITY AT THE COMPLEX. NUMEROUS PROBABLE CABLE SCARS ARE OBSERVED IN THE COMPLEX WHICH IS SECURED BY A PARTIALLY COMPLETED TRIPLE FENCE.

IN THE SUPPORT AREA, THERE ARE 3 MULTISTORY APARTMENT-TYPE BUILDINGS APPARENTLY COMPLETE AND 1 OTHER UNDER CONSTRUCTION.

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NO MISSILES OR MISSILE-RELATED EQUIPMENT IDENTIFIED AT THE COMPLEX.

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LENINGRAD PROB LR SAM LCH CPLX SEARCH UR 5955N 03020E

NO NEW OR PREVIOUSLY UNOBSERVED AMM/SAM LAUNCH OR ELECTRONIC FACILITIES IDENTIFIED IN THE SEARCH AREA.

25X1D

25X1A

LENINGRAD NE PROB LONG RANGE SAM LCH CPLX UR 6004N 03043E

A PROBABLE LAUNCHER OCCUPIES EACH OBSERVED LAUNCH POSITION OF THE 5 LAUNCH SITES. THE LAUNCH POINTS OF POSITIONS B-3, C-6, D-3, AND E-1 ARE OBSCURED BY SHADOW. NO MISSILES ARE IDENTIFIABLE AT THE COMPLEX.

PROBABLE RADAR OCCUPIES 4 AND POSSIBLY 5 POSITIONS OF THE TRACKING/GUIDANCE RADAR FACILITY. THE CONTROL CENTER IS OCCUPIED.

25X1D

25X1A

LENINGRAD NW PROB LONG RANGE SAM LCH CPLX UR 6027N 02942E

EACH VISIBLE LAUNCH POINT OF THE POSITIONS AT THE 5 LAUNCH SITES IS OCCUPIED BY A PROBABLE LAUNCHER. THE LAUNCH POINTS OF POSITIONS A-4, B-3, C-5, D-4 AND D-5 ARE OBSCURED BY SHADOWS. NO MISSILES ARE IDENTIFIABLE AT THE COMPLEX.

THE 5 POSITIONS OF THE TRACKING/GUIDANCE RADAR FACILITY ARE OCCUPIED BY PROBABLE RADAR. THE CONTROL CENTER IS ALSO OCCUPIED.

NO CHANGE OBSERVED IN THE STATUS OF THE ELEVATED STRUCTURES AT THE OUTRIGGER POSITIONS.

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25X1A

25X1A

LENINGRAD SW PROB LONG RANGE SAM LCH CPLX UR 5943N 02918E

THE LAUNCH POINT OF EACH POSITION OF THE 5 LAUNCH SITES IS OCCUPIED BY A PROBABLE LAUNCHER. NO MISSILES ARE IDENTIFIABLE.

FOUR AND POSSIBLY 5 POSITIONS OF THE TRACKING/GUIDANCE RADAR FACILITY ARE OCCUPIED BY PROBABLE RADAR.

NO CHANGE IS OBSERVED IN THE STATUS OF THE ELEVATED STRUCTURES AT THE OUTRIGGER POSITIONS.

25X1D

25X1A

KALININ PROB LONG RANGE SAM LCH CPLX

UR 5637N 03552E

LAUNCH SITE C APPEARS TO BE COMPLETE OR NEARLY COMPLETE, WITH LAUNCHERS POSSIBLY AT LAUNCH POSITIONS 1, 2, AND 3. SITES A AND B ARE IN A MID-TO-LATE STAGE OF CONSTRUCTION. LAUNCH POSITION REVETMENTS ARE SIMILAR TO THOSE AT KOSTROMA. THE PROBABLE LONG RANGE SAM LAUNCH COMPLEX CONTROL CENTERS ARE DRIVE-THROUGH. RADAR POSITIONS AT THE TRACKING/GUIDANCE FACILITY WILL HENCEFORTH BE DESIGNATED 1, 2, AND 3, READING CLOCKWISE FROM THE TRACKING/GUIDANCE FACILITY CENTRAL CONTROL REVETMENT. GROUND SCARS FROM LAUNCH POSITIONS C-3 AND C-4 LEAD TO RADAR POSITION 3. TWO TRACES LEAD FROM A-4 TO RADAR POSITION 1. A SUPPORT AREA WEST OF SITE B, UNDER CONSTRUCTION, CONTAINS AT LEAST 5 BUILDINGS. A COMPLETE ROAD PATTERN FOR THE MISSILE-HANDLING AREA IS DISCERNIBLE NNW OF SITE B.

25X1D

25X1D

25X1A

MOZHAYSK PROB LONG RANGE SAM LAUNCH CPLX UR 5538N 03548E

NO TRACK ACTIVITY IS DISCERNIBLE ON SNOW-COVERED LAUNCH POSITION SERVICE ROADS. THE BUILDING APPROXIMATELY 300 FT WEST OF LAUNCH SITE A, (UNDER CONSTRUCTION) NOW APPEARS NEARLY COMPLETE EXTERNALLY. A NEWLY OBSERVED RECTANGULAR EXCAVATION IS LOCATED APPROXIMATELY 900 FT WEST OF LAUNCH SITE B. NO MISSILE OR MISSILE-RELATED EQUIPMENT OBSERVED.

25X1D

25X1D

25X1A

25X1A

TOP SECRET

25X1A

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25X1D

CALCUTTA SAM SITE

IN 2246N 08822E

BONUS 1

13 NM NORTH OF CALCUTTA AT 22-46-05N 088-22-00E.
SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (4
OCCUPIED, 2 UNOCCUPIED) IN AN IRREGULAR CONFIGURATION,
AND A REVETTED, OCCUPIED CENTRAL GUIDANCE AREA. SITE
IS LOCATED ON THE SOUTH END OF RUNWAY AT BARRACKPORE
AIRFIELD.

25X1D

CALCUTTA SAM SITE

IN 2255N 08827E

BONUS 2

22.5 NM NNE OF CALCUTTA AT 22-55-00N 088-27-30E.
SITE CONSISTS OF 6 REVETTED, UNOCCUPIED LAUNCH
POSITIONS IN A STAR CONFIGURATION AND A REVETTED
CENTRAL GUIDANCE AREA WITH 1 BUILDING, 1 SHED, AND 1
PIECE OF EQUIPMENT. SITE IS POSSIBLY FENCED AND IS
LOCATED ON SOUTH END OF RUNWAY AT KANCHRAPARA AIRFIELD.

25X1D

25X1A

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Air Facilities

25X1A

TOP SECRET

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25X1A

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25X1A

AIR FACILITIES

ARKHANGELSK/KHOLM AIRFIELD

UR 6423N 04043E

OB -- AT LEAST 10 PROBABLE AIRCRAFT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

25X1A

2
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Nuclear Energy

25X2

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**Military
Activity**

25X1A

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25X1A

25X1A

MILITARY ACTIVITY

YUN-CHING-HUNG ARMY BARRACKS N NA-PAN CH 2159N 10049E

NO SIGNIFICANT CHANGE OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

CHENG-KUNG SUPPLY DEPOT NORTH

CH 2455N 10248E

NO EVIDENCE OF SIGNIFICANT CHANGE IN LEVEL OF ACTIVITY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

25X1A

CHIANG-CHENG MILITARY INSTALLATION SW

CH 2236N 10150E

NO INDICATION OF TROOP OR SUPPLY BUILDUP.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

CHU-CHING MILITARY AREA

CH 2531N 10347E

NO OTHER MILITARY AREAS OBSERVED IN AREA.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

NO ELECTRONIC OR COMMUNICATION FACILITIES OBSERVED.

25X1D

25X1A

TOP SECRET

25X1A

TOP SECRET

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25X1A

25X1A

I-LIANG ARMY BARRACKS SOUTH 1

CH 2451N 10308E

NO INDICATION OF TROOP OR SUPPLY BUILDUP. NO NEW SECURITY OR DEFENSES.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

I-LIANG ARMY BARRACKS NORTH

CH 2500N 10311E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

KAI-YUAN ARMY BARRACKS NORTHEAST

CH 2343N 10315E

NO INDICATIONS OF TROOP OR SUPPLY BUILDUP.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

KUN-MING GENERAL SUPPLY DEPOT

CH 2501N 10244E

NO EVIDENCE OF SIGNIFICANT CHANGE IN LEVEL OF ACTIVITY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

25X1A

25X1A

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25X1A

25X1A

KUN-MING STORAGE AREAS SOUTHEAST CH 2500N 10247E

NO EVIDENCE OF SIGNIFICANT CHANGE IN LEVEL OF ACTIVITY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

25X1A

MA-LI-PO SUPPLY DEPOT

CH 2307N 10443E

NO SECURITY, DEFENSES, EVIDENCE OF TROOP OR SUPPLY
BUILDUP, OR OTHER UNUSUAL ACTIVITY OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

MENG-LA MILITARY COMPLEX

CH 2128N 10134E

NO EVIDENCE OF TROOP OR LOGISTIC BUILDUP, NEW DEFENSES,
OR SECURITY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

MENG-PAN MILITARY CAMP

CH 2144N 10139E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

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25X1A

TOP SECRET

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25X1A

25X1A

MENG-PENG POSSIBLE MILITARY AREAS

CH 2127N 10119E

THREE SEPARATE AREAS OBSERVED IN MENG-PENG VICINITY.

AREA A (0.5 NM NE OF MENG-PENG) CONTAINS 5 BARRACKS, 1 ADMINISTRATION BUILDING, 1 MESSHALL, 2 LARGE STORAGE BUILDINGS, AND 13 STORAGE/SUPPORT BUILDINGS.

AREA B (0.3 NM NE OF AREA A) CONTAINS 6 BARRACKS, 1 ADMINISTRATION BUILDING, 3 STORAGE BUILDINGS, 1 PROBABLE MESSHALL, 16 STORAGE/SUPPORT BUILDINGS, AND 4 SEPARATE SMALL AREAS CONTAINING 10 QUARTERS/BARRACKS AND 15 STORAGE/SUPPORT BUILDINGS.

AREA C (0.5 NM SOUTH OF MENG-PENG) CONTAINS 2 BARRACKS, 7 STORAGE BUILDINGS, AND 1 PROBABLE VEHICLE MAINTENANCE/STORAGE BUILDING.

NO NEW DEFENSES OR SECURITY NOTED.

25X1D

25X1A

MENG-TZU INF DIV HQS & ARMY BARRACKS WEST CH 2322N 10323E

NO INDICATION OF TROOP OR SUPPLY BUILDUP.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

MENG-TZU MILITARY ACTIVITY

CH 2325N 10316E

NO INDICATIONS OF TROOP OR SUPPLY BUILDUP.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

25X1A

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25X1A

25X1A

CHIN-PING MILITARY COMPLEX

CH 2247N 10314E

NO INDICATION OF TROOP OR SUPPLY BUILDUP.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

PAN-CHI ARMY BARRACKS

CH 2415N 10306E

NO INDICATION OF TROOP OR SUPPLY BUILDUP.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

PU-ERH MILITARY BARRACKS

CH 2305N 10103E

OB -- AT LEAST 20 VEHICLES/PIECES OF EQUIPMENT.

AREA APPEARS OCCUPIED AND ALL PORTIONS APPEAR ACTIVE.

25X1D

25X1A

SSU-MAO MILITARY COMPLEX

CH 2247N 10058E

NO EVIDENCE OF TROOP BUILDUP, STOCKPILING OF MATERIALS,
NEW SECURITY AND DEFENSES, OR OTHER UNUSUAL ACTIVITY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

25X1A

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25X1A

25X1A

WEN-SHAN ARMY BARRACKS WEST

CH 2322N 10415E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

YEN-SHAN MILITARY BKS AND STORAGE AREA

CH 2336N 10419E

CONSTRUCTION APPEARS COMPLETE. A WALL SURROUNDS THE
AREA AND THE INSTALLATION APPEARS OCCUPIED.

MATERIAL IS POSSIBLY BEING STOCKPILED IN OPEN STORAGE
AREAS.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

NIU-WO-PAI MOTOR PARKS

CH 2334N 10317E

NO INDICATIONS OF TROOP OR SUPPLY BUILDUP.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

LU-LIANG STORAGE AREA

CH 2521N 10347E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

25X1A

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25X1A

25X1A

TSA-TI-PAO ROAD

CH 2302N 10341E

NO NEW ROADS, TRAILS, OR ROAD IMPROVEMENTS OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

WU-PU-CHIEH ROAD CONSTRUCTION

CH 2314N 10454E

NO NEW ROADS, TRAILS, ROAD IMPROVEMENTS, OR
CONSTRUCTION OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D

25X1A

SSU-MAO/MENG-TZU ROAD

CH 2256N 10215E

ROAD APPEARS TO BE STILL UNDER CONSTRUCTION.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

NO INDICATION OF MILITARY ACTIVITY OBSERVED.

25X1D

25X1A

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Complexes

25X1A

25X1A

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25X1A

COMPLEXES

KUN-MING COMPLEX

CH 2504N 10241E

25X1D

THE SEARCH AREA IS COMPLETELY COVERED BY CLEAR PHOTOGRAPHY. NO NEW SAM ACTIVITY OBSERVED.

25X1D

THE WESTERN 90 PERCENT OF THE SEARCH AREA IS COVERED BY 95 PERCENT CLOUD-FREE PHOTOGRAPHY. KUN-MING SAM SITE B23-2 IS COVERED. NO OTHER SAM ACTIVITY OBSERVED.

NO SIGNIFICANT CHANGE IN INDUSTRIAL FACILITIES. LEVEL OF INDUSTRIAL ACTIVITY CANNOT BE DETERMINED.

25X1D

25X1A

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25X1A

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TYURATAM MISSILE TEST CENTER	UR 4538N 06317E 2
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SVOBODNYI ICBM COMPLEX	UR 5146N 12806E 1
OMSK ICBM COMPLEX	UR 5504N 07331E 1
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25X2

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